Integration

Integration

Integration

Develop a hierarchy of integrated computer-based tools and capabilities to support the design, analysis, and life cycle operation of Vision 21 plants.

Integration

- **2005**
  - Framework and model interface standards for steady state models done
- **2007**
  - Initial demonstration of dynamic models
- **2010**
  - Full framework of dynamic model done

- **2015**
  - User-centered dynamic simulation of Vision 21 plant

Models

- 2005
  - Model developed to understand technology needs and risks
- 2007
  - Two model systems tied together
  - Establish a methodology for developing models
- 2010
  - All Vision 21 components modeled
- 2015
  - Comprehensive suite of models that support plant design operation and other decision making.